

ABSTRACT

A UTM machine in a 3- 1/2-inch floppy-disk case includes a floppy-disk housing with a slot for swiping a credit/debit card, a magnetic stripe read head, a removable SIM including smart chip circuitry mounted in a SIM socket, a disk-drive communications transducer, a keypad, an LCD display, and operational circuitry

5 disposed within the housing. The slot receives a card having a magnetic stripe that stores information, and the read head reads the information stored on the stripe. .

The smart chip circuit within the SIM provides a unique identity of the device through the transducer to a remote server for authentication. Thus, such a device can read debit or credit cards and can be inserted into and communicate with a floppy-disk

10 drive. This eliminates the need for special connections to a computer. Additionally, the device can ensure the security of the Internet transactions by providing a unique identification code, information read from the magnetic stripe and a PIN to a remote server for secure authentication.